

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-9 (Canceled)

10. (Currently Amended) A catheter system comprising:

a first guidewire having ~~either one of two different external diameters along a length thereof,~~ a first external diameter and a second guidewire having a second external diameter smaller than said first external diameter;

a catheter including a lumen defining an internal diameter substantially equal to ~~the external diameter of said guidewire of~~ said first external diameter of said first guidewire for fitting accommodation thereof;

wherein said catheter includes an expandable balloon portion; and

an adapter selectively positionable within said lumen of said catheter, said adapter including an external diameter substantially equal to said internal diameter of said lumen of said catheter, said adapter further including a lumen defining an internal diameter substantially equal to ~~the external diameter of said guidewire of~~ said second external diameter of said second guidewire for fitting accommodation thereof.

11. (Original) A catheter system according to claim 10, wherein said adapter is removably slidable within said lumen of said catheter.

12. (Original) A catheter system according to claim 11, wherein said adapter extends beyond the length of said catheter, said portion extending beyond said catheter being adjustable by slidably positioning said adapter within said lumen of said catheter.

13. (Original) A catheter system according to claim 12, wherein said portion of said adapter extending beyond the length of said catheter includes a flexible tapered tip.

14. (Canceled)

15. (Original) A catheter system according to claim 10, wherein said catheter includes a radially expandable stent for transluminal implantation.

16. (Currently amended) A catheter system according to claim 15, wherein ~~said catheter includes an expandable balloon portion and~~ said radially expandable stent is a balloon expandable stent positioned about said expandable balloon portion.

17. (Original) A catheter system according to claim 16, further including a sheath extending about said catheter and covering said stent.

18. (Original) A catheter system according to claim 10, wherein said lumen of said catheter is about 0.035 inches and said lumen of said adapter is about 0.018 inches.

19-22 (Canceled)

23. (New) A catheter system configured for use with a plurality of differently sized guidewires, the catheter system comprising:

a catheter having an inner diameter;

a guidewire extending through the catheter, the guidewire having an outer diameter;

a first adapter having an outer diameter substantially equal to the inner diameter of the catheter and a first inner diameter;

a second adapter having an outer diameter substantially equal to the inner diameter of the catheter and a second inner diameter;

wherein the first inner diameter is substantially equal to the outer diameter of the guidewire;

wherein the second inner diameter is different from the first inner diameter; and

wherein the first adapter is disposed between the catheter and the guidewire.

24. (New) The catheter system of claim 23, wherein the catheter including a balloon.

25. (New) The catheter system of claim 23, wherein the adapter is slidably disposed within the catheter.

26. (New) The catheter system of claim 23, wherein the adapter including an adapter hub and the catheter includes a catheter hub releasably engaged with the adapter hub.

27. (New) A method for configuring a catheter system, the method comprising:
providing a catheter having an inner diameter;
providing a guidewire having an outer diameter;
providing a plurality of adapters, wherein each of the plurality of adapters has an outer diameter substantially equal to the inner diameter of the catheter, and wherein each of the plurality of adapters has a different inner diameter;
selecting an adapter from the plurality of adapters that has an inner diameter substantially equal to the outer diameter of the guidewire;
disposing the adapter within the catheter; and
disposing the guidewire within the adapter.

28. (New) The method of claim 26, wherein the catheter includes a balloon.

29. (New) The method of claim 26, wherein the adapter is slidably disposed within the catheter.

30. (New) The method of claim 26, wherein the adapter including an adapter hub and the catheter includes a catheter hub releasably engaged with the adapter hub.

31. (New) The method of claim 26, further comprising:
removing the guidewire from the adapter;
removing the adapter from catheter;
providing a second guidewire having a second outer diameter different from the outer diameter of the guidewire;
selecting a second adapter from the plurality of adapters that has a second inner diameter substantially equal to the second outer diameter;
disposing the second adapter within the catheter; and
disposing the second guidewire within the second adapter.